NEW BEDFORD HARBOR SUPERFUND SITE

LOCATION	New Bedford
DATE OF INJURY	1940s – 1980s
DATE OF SETTLEMENT	1992
NRD SETTLEMENT AMOUNT	$20,200,000
RESPONSIBLE PARTIES	Federal Pacific Electric; Cornell Dubilier Electronics, Inc.; Aerovox Inc.; Belleville Industries, Inc.
TRUSTEES	NOAA, DOI-USFWS,EOEA
INJURY	Industrial discharge (PCBs, toxic metals) into New Bedford Harbor
INJURED RESOURCES	Sediments, water column, shellfish, birds, recreational fishing, beach usage
INJURED SPECIES	Various wildlife, anadramous fisheries, shellfish
PROTECTED SPECIES	Rare and endangered species, e.g. roseate terns
RESTORATION STATUS	Restoration Plan / EIS finalized 1998, Rounds 1 & 2 complete, Round 3 ongoing
PROJECTS COMPLETED	Land acquisition for protection of rare wetlands, shellfish, and finfish habitat; Salt marsh restoration; Recreational park enhancements; Endangered species recovery and habitat restoration; Harbor Master Plan development
EXPENDITURES TO DATE	$12,000,000
ACRES RESTORED	454.7 acres
ADDITIONAL WEBSITES	http://www.darp.noaa.gov/northeast/new_bedford/index.html http://yosemite.epa.gov/r1/npl_pad.nsf/701b6886f189ceae85256bd20014e93d/

Restoration is underway at the New Bedford Harbor Superfund site to address injuries to sediments, water column, wildlife, and fisheries, which have been highly contaminated with PCBs as a result of industrial discharges into the harbor. Restoration projects are funded via the $20.2 million NRD payment made to the Trustees by the responsible parties.

In 1998, the New Bedford Harbor Trustees approved the implementation of a first round of restoration projects at a cost of $4 million. Restoration of shellfish beds, anadramous fisheries, recreational parks, endangered species habitat/populations, salt marshes, and preservation of open space are some of the projects. One project has involved the acquisition and preservation of 159 acres of coastal land as open space including "Rare Wetlands Wildlife and Certified Vernal Pools" and "High-Priority sites of Rare Species Habitats and Exemplary Natural Communities" at a cost of $380,000. A second round of $8 million projects and a third round are underway.

Restoration Projects

I. Living Resources: Endangered Species Recovery – Tern Restoration


Ram Island's Roseate and Common Tern Populations (Mass Wildlife/Bill Byrne, 2005)

Location	Bird, Ram, and Penikese Islands
Date	2000 - 2006
Project	Restore / manage terns & enhance nesting habitat
Project Cost	$1,200,000
Restored Resources	Common and Roseate Terns
Partners in Restoration	MA Division of Fisheries and Wildlife


Herring fish is a food source for Tern (EOEA/Baker, Mass Wildlife/Bill Byrne, 2005)


Nesting boxes provide shelter to young tern from predators and strong sunlight
(EOEA – Dale Young, Tanya Baker, Mass Wildlife/Bill Byrne, 2005)

II. Habitats: Land Acquisition and Preservation

Date	Location	Acres	Cost	Recipient
Dec 1998	Sconticut Neck (North), Fairhaven	160	$394,000	Fairhaven/Acushnet Land Preservation Trust
Feb 2003	Popes Beach, Fairhaven	2.6	$869,000	Town of Fairhaven
Nov 2003	Marsh Island (North), Fairhaven	14	$50,000	Fairhaven/Acushnet Land Preservation Trust
Dec 2003	Acushnet River Valley, Acushnet	208	$968,000	Fairhaven/Acushnet Land Preservation Trust
Jan 2004	Popes Beach (South), Fairhaven	3.6	$757,000	Town of Fairhaven
TOTAL		388.2	$3,038,000	

- Preserved lands will be held in trust to be used and enjoyed by the public while natural resources and habitats are preserved
- Protected resources include tidal and riverine wetlands, beach, forested uplands, and various wildlife including rare species

Sconticut Neck Land Preservation

III. Marshes and Wetlands: Salt Marsh Restoration

Installation of a new culvert headwall in Dartmouth

Location	Dartmouth
Date	April, 2003
Project	Culvert replacement
Project Cost	$46,968
Restored Resources	Salt marsh & finfish
Partners In Restoration	Town of Dartmouth

Salt marsh in outer New Bedford Harbor (Terrill, NOAA, 1995)

- The new culvert connects the 6.5 acre Padanaraman salt marsh to the Apponagansett Bay.
- Increased tidal inundation and soil salinity were restored and invasive species reduced
- Fish that were unable to access the marsh prior to restoration are now present

IV. Anadramous Fisheries: Herring Run Restoration

Completed fish way at the New Bedford Reservoir

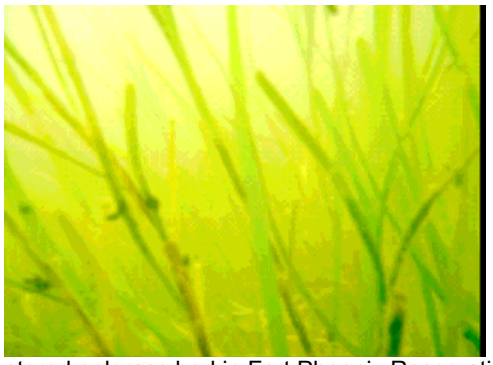
Location	Acushnet River
Date	2002
Project	Re-establish fish passage
Project Cost	On-going
Restored Resources	Herring, other fish species
Partners In Restoration	Town of Acushnet, MA Division of Marine Fisheries, MA River Restore Program

The reservoir dam fish way was completed in 10/02. A scope of work is being prepared for the design and permitting for fish passage alternatives for the Acushnet Sawmill and Hamlin Street dams.

V. Other Projects

DATE	PROJECT	PARTNERS IN RESTORATION
Jan 2003	Wetland Restoration	MA Wetlands Restoration Program
1999-2005	Restoring quahogs, scallops, clams	Regional Shellfish Restoration Committee
1999 & 2000	Eelgrass Restoration	UNH Jackson Laboratory
2004	FortTaber Park and Riverside Park	City of New Bedford

Pier constructed at Fort Taber Park



Restored eelgrass bed in Fort Phoenix Reservation, Fairhaven to provide habitat for finfish and shellfish

Special Thanks to Carolyn Mostello, Wildlife Biologist
Massachusetts Division of Fisheries & Wildlife

And the Trustees